### Author's Accepted Manuscript

Disordered photonics coupled with embedded nano-Au plasmonics inducing efficient photocurrent enhancement

Jing Li, Junling Wang, Zhihui Dai, Hongbo Li



www.elsevier.com/locate/talanta

PII: S0039-9140(17)30824-X

DOI: http://dx.doi.org/10.1016/j.talanta.2017.08.005

Reference: TAL17801

To appear in: *Talanta* 

Received date: 22 June 2017 Revised date: 28 July 2017 Accepted date: 2 August 2017

Cite this article as: Jing Li, Junling Wang, Zhihui Dai and Hongbo Li Disordered photonics coupled with embedded nano-Au plasmonics inducing efficient photocurrent enhancement, *Talanta* http://dx.doi.org/10.1016/j.talanta.2017.08.005

This is a PDF file of an unedited manuscript that has been accepted fo publication. As a service to our customers we are providing this early version o the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting galley proof before it is published in its final citable form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain

**ACCEPTED MANUSCRIPT** 

# Disordered photonics coupled with embedded nano-Au plasmonics inducing efficient photocurrent enhancement

Jing Li<sup>a,b</sup>, Junling Wang<sup>a</sup>, Zhihui Dai<sup>a1\*</sup>, Hongbo Li<sup>b1\*</sup>

<sup>a</sup>Jiangsu Key Laboratory of Biofunctional Materials, College of Chemistry and Materials Science, Nanjing Normal University, Nanjing 210023, P.R. China

<sup>b</sup>College of Chemistry and Chemical Engineering, Yancheng Institute of Technology, Yancheng 224051, P.R. China

\*daizhihuii@njnu.edu.cn

hbli@ycit.edu.cn.

#### **Abatract**

Spatial order used to be considered as a benefit for photonics; but recently the study of disorder has broken into people's horizons for its strong random scattering of light. In this work, disordered photonics coupled with plasmonics for efficiently enhanced

1

<sup>&</sup>lt;sup>1</sup> Phone: +86-025-85891051.

#### Download English Version:

## https://daneshyari.com/en/article/5140643

Download Persian Version:

https://daneshyari.com/article/5140643

<u>Daneshyari.com</u>